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NEWS	13	FEB	06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB	10	COMPENDEX reloaded and enhanced
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NEWS	19	r ED	23	and 2009 MeSH terms
NEWS	20	FEB	23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB	23	Three million new patent records blast AEROSPACE into
NEWS	22	FEB	25	STN patent clusters USGENE enhanced with patent family and legal status
NEWS	23	MAR	0.6	display data from INPADOCDB INPADOCDB and INPAFAMDB enhanced with new display
NEWS	23			formats
NEWS	24	MAR	11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	25	MAR	11	ESBIOBASE reloaded and enhanced
NEWS		MAR		CAS databases on STN enhanced with new super role

for nanomaterial substances

NEWS 27 MAR 23 CA/CAplus enhanced with more than 250,000 patent equivalents from China

NEWS 28 MAR 30 IMSPATENTS reloaded and enhanced

NEWS 29 APR 03 CAS coverage of exemplified prophetic substances enhanced

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=>



chain nodes :

7 10 12 13 14 17 19

ring nodes :

1 2 3 4 5 6 8 11 20

chain bonds :

4-17 5-7 7-8 8-20 10-11 10-20 11-12 12-13 12-14 17-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

4-17 5-7 7-8 8-20 10-11 10-20 12-13 12-14 17-19

exact bonds :

11-12

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:C,O,S

G2:0,S

G3:Cb, Cy, Hy

Match level :

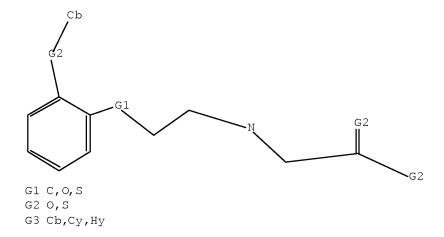
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L1 STRUCTURE UPLOADED

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SINCE FILE TOTAL ENTRY SESSION 0.48 0.70

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=> s L1 SSS full REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

FULL SEARCH INITIATED 08:34:10 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 993270 TO ITERATE

99.4% PROCESSED 987139 ITERATIONS

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100.0% PROCESSED 993270 ITERATIONS

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SEARCH TIME: 00.00.19

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=> file marpat

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

0.50 187.58

FULL ESTIMATED COST

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FILE CONTENT: 1961-PRESENT VOL 150 ISS 13 (20090403/ED)

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MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES (COVERAGE TO THESE DATES IS NOT COMPLETE):

US 20090048322 19 FEB 2009 DE 102007039155 19 FEB 2009 2022798 11 FEB 2009 EP JP 2009035500 19 FEB 2009 WO 2009024087 26 FEB 2009 GB 2451715 11 FEB 2009 2920023 20 FEB 2009

RU 2346937 20 FEB 2009 2618420 24 JAN 2009 CA

The new MARPAT User Guide is now available at: http://www.cas.org/support/stngen/stndoc/marpat.html.

=> s l1 SSS full

FULL SEARCH INITIATED 08:34:46 FILE 'MARPAT'

FULL SCREEN SEARCH COMPLETED - 83895 TO ITERATE

73.5% PROCESSED 61691 ITERATIONS 1 ANSWERS

98.2% PROCESSED 82419 ITERATIONS 4 ANSWERS

99.3% PROCESSED 83290 ITERATIONS 4 ANSWERS 100.0% PROCESSED 83895 ITERATIONS 4 ANSWERS

SEARCH TIME: 00.01.01

L4 4 SEA SSS FUL L1

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COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

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=> s L4

L5 4 L4

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YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN ACCESSION NUMBER: 2007:1090756 CAPLUS Full-text

DOCUMENT NUMBER: 147:406815

TITLE: Preparation of S1P receptor modulating compounds in

particular aryl-substituted 2-oxoimidazolidine

derivatives as modulator of S1P receptor

INVENTOR(S): Saha, Ashis; Yu, Xiang Y.; Lobera, Mercedes; Lin,

Jian; Cheruku, Srinivasa R.; Becker, Oren M.; Marantz,

Yael; Schutz, Nili

PATENT ASSIGNEE(S): Epix Delaware, Inc., USA SOURCE: PCT Int. Appl., 88pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	TENT :	NO.			KIN	D	DATE		APPLICATION NO.						DATE				
· · · -						20070927 20071122		WO 2007-US7037				20070321							
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BH,	BR,	BW,	BY,	BZ,	CA,		
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		GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,		
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AU	2007	2272	74	•	A1	,	2007	0927	Ť,	AU 2	007	2272	20070321						
CA	2646	469			A1		2007	0927		CA 2	007-	2646	20070321						
US	US 20080015177						2008	0117		US 2	007-	7263	20070321						
EP	EP 2010524				A2		2009	0107	EP 2007-753647						20070321				
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PRIORIT	RIORITY APPLN. INFO.:									US 2	006-	7845	P 20060321						
										WO 2	007-	JS70	37	1	w 2	0070	321		
OTHER SO						MARPAT 147:406815													

$$R1 - (CH_2)q$$
 B $(CH_2)p$ A $Z-Y-X$ CO_2H CO_2H

The invention relates to compds. that have activity as sphingosine-1-phosphate (S1P) receptor modulating agents and the use of such compds. to treat diseases associated with inappropriate S1P receptor activity. Compds. of formula I [A = (un)substituted aryl or heteroaryl; B = N-containing 5- to 6-membered heterocyclyl; X = CO2H, POH2, SO3H, SO2NH2, CONHSO3H and their derivs. or 1H-tetrazol-5-yl; Y = bond or (un)substituted (a)cyclic amine; Z = 0, NH and derivs., S, S0, S02, S02NH and derivs., C0, CS, direct bond, etc.; p and q independently = 0-4], and their pharmaceutically acceptable salts, are prepared and disclosed as modulator of S1P receptor. Thus, e.g., II was prepared by the reaction of Me 4-aminobenzoate with 2-chloroethylisocyante followed by cyclization to generate intermediate Me 4-(2-oxoimidazolidin-1-yl)benzoate, which underwent condensation with 1-tert-butyl-4-iodobenzene, hydrolysis, reduction and reductive amination with azetidine-3-carboxylic acid to give II. No detailed bioassays and biodata were given.

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN ACCESSION NUMBER: 2006:904685 CAPLUS Full-text

DOCUMENT NUMBER: 146:401975

TITLE: Improved process for the preparation of thiotriazolone

derivatives useful as antifungal agents

INVENTOR(S): Salman, Mohammad; Sattigeri, Jitendra PATENT ASSIGNEE(S): Ranbaxy Laboratories Limited, India

SOURCE: Indian, 15pp.
CODEN: INXXAP

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 193553	A1	20040724	IN 2002-DE457	20020415
PRIORITY APPLN. INFO.:			IN 2002-DE457	20020415
OTHER SOURCE(S):	CASREA	CT 146:40197	5; MARPAT 146:401975	

GI

An improved process for the preparation of thiotriazolone I and its AΒ pharmaceutically acceptable salts [Ar = 5-7] membered heterocyclic ring containing 1-4 heteroatoms selected from O, N and S; Ph or a substituted Ph having 1-3 substituents independently selected from halo (e.g. Cl, F, Br or I), NO2, CN, alkyl, alkoxy, perhaloalkyl or perhaloalkoxy; R1 and R2 = H, straight chain or branched alkyl groups having 1 to 3 carbon atoms including Me, Et, Pr or iso-Pr and combinations thereof; Y = CH or N; A = H; (un) substituted alkyl (wherein substituents are selected from halo (F, Cl, Br or I), OH, alkoxy, perhaloalkyl, perhaloalkoxy, unsubstituted or substituted C5-C10 aromatic or non aromatic rings with or without 1-4 heteroatoms selected independently from C, N and S); etc.] is disclosed. This process comprises converting epoxyalc. II [Ar, R1, R2 are defined as above] to the corresponding triflate derivative, which is further subjected to nucleophilic substitution with t-Bu carbazate to afford substituted hydrazine derivative III with inversion of configuration, which is further reacted with compound IV [Y as above] in the presence of a base and polar aprotic solvent at a temperature ranging from 20°C to 120°C to give the epoxide ring opened intermediate V which is then treated with thioisocyanate [ANCS; A as above] in the presence of organic solvent at temperature ranging from 10°C to 90°C to give Boc protected thiosemicarbazide derivs. VI, which is further deprotected in the presence of organic solvent at a temperature in the range of 0°C to 20°C to give free amine VII. The compound VI or its free amine VII is cyclized in the presence of formic acid, tri-Et orthoformate, Et formate/sodium methoxide or formamidine acetate at temperature ranging from 80°C-120°C to give compound I. For example, 2-[(1R,2R)-2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2,4-difluorophenyl)-3-(1,2triazol-1-yl)propyl]-4-[4-(2,2,3,3-tetrafluoropropoxy)phenyl](2H,4H)-1,2,4triazol-3- thione, was prepared starting from the corresponding epoxy alc. II.

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN ACCESSION NUMBER: 2005:638853 CAPLUS Full-text

DOCUMENT NUMBER: 143:153366

TITLE: Preparation of bicyclic derivatives as PPAR modulators

^{*} STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

INVENTOR(S): Conner, Scott Eugene; Mantlo, Nathan Bryan; Zhu,

Guoxin; Herr, Robert Jason

PATENT ASSIGNEE(S): Eli Lilly and Company, USA SOURCE: PCT Int. Appl., 193 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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PA	PATENT NO.						DATE				ICAT						
WO	2005	0661	 36						21 WO 2004-US3975								
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OTHER S	THER SOURCE(S):						WO 2004-US39773 W 20041216 CASREACT 143:153366; MARPAT 143:153366										

$$R^{8}$$
 R^{32}
 R^{1}
 R^{10}
 R^{11}
 R^{10}

AB The title compds. I [R1 = H, alkyl, arylalkyl, etc.; R2 = alkyl, heteroalkyl; X = a single bond, O, S, SO2, N; U = an aliphatic linker wherein one carbon atom of the aliphatic linker is optionally replaced with O, NH or S, and wherein such aliphatic linker is optionally substituted with from 1-4 substituents; Y = C, O, S, NH and a single bond; E = CR3R4A or A (wherein A = carboxy, tetrazole, alkylnitrile, etc.; R3 = H, alkyl, alkoxy; R4 = H, alkyl, aryloxy, etc.); R8 = H, alkyl, alkenyl, halo; R9 = H, alkyl, halo, etc.; R10,

R11 = H, OH, CN, etc.; R32 = H, halo, alkyl, etc.; AL = fused carbocyclic, fused pyridinyl, fused pyrimidinyl, fused Ph], useful for modulating a peroxisome proliferator activated receptor, were prepared and formulated. E.g., a multi-step synthesis of II, starting from 2-bromo-m-xylene, was given. The binding and cotransfection efficacy values for compds. I which are especially useful for modulating a PPAR receptor, are \leq 100 nM and \geq 50%, resp.

REFERENCE COUNT: THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN 2005:638735 CAPLUS Full-text ACCESSION NUMBER:

DOCUMENT NUMBER: 143:153383

TITLE: Preparation of triazole, oxadiazole and thiadiazole

derivatives as PPAR modulators for the treatment of

diabetes

Mantlo, Nathan Bryan; Navarro, Antonio; Saeed, Ashraf; INVENTOR(S):

Gernert, Douglas Linn; Ma, Tianwei; Pfeifer, Lance

APPLICATION NO.

DATE

Allen

PATENT ASSIGNEE(S): Eli Lilly and Company, USA SOURCE:

PCT Int. Appl., 175 pp.

CODEN: PIXXD2

KIND DATE

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

FAIENI NO.						KIND DATE											DAIL				
WO 2005065683 W: AE, AG, AL,							2005			 WO 2	004-		20041221								
	W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,				
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EP	1725	725231				A1 20061129					EP 2004-812321										
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HER SOURCE(S):					CASREACT 143:153383; MARPAT 143:153383																

OTHER SOURCE(S): CASREACT 143:153383; MARPAT 143:153383

$$E-Y \xrightarrow{R8} X \xrightarrow{R32} W \xrightarrow{R1} V \xrightarrow{R10}$$

The title compds. I [X = a single bond, O, S, SO2 and N; U = an aliphatic linker; Y = O, C, S, NH and a single bond; W = N, O or S; E = CR3R4A or A (wherein A = carboxy, tetrazole, alkylnitrile, carboxamide, sulfonamide and acylsufonamide; R3 = H, alkyl, alkoxy; R4 = H, alkyl, alkoxy, etc.; or R3 and R4 are optionally combined to form cycloalkyl); V = (hetero)alkyl, a bond; R1 = H, alkyl, heteroaryl, etc.; R8 = H, alkyl, alkenyl, halo; R9 = H, alkyl, halo, etc.; R10, R11 = H, OH, CN, etc.; R32 = a bond, H, halo, alkyl, etc.] which are modulators of peroxisome proliferator activated receptors (PPARs) and are useful for the treatment of diabetes and other metabolic disorders, were prepared and formulated. E.g., a multi-step synthesis of II, starting from Me glycolate and benzyl bromide, was given. The binding and cotransfection efficacy values for compds. I which are especially useful for modulating a PPAR receptor, are \leq 100 nM and \geq 50%, resp.

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